

RESULT LIST

6 results found in the Worldwide database for:

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1 CATALYST AND A METHOD FOR PRODUCTION OF SYNTHESIS GAS VIA HYDROCARBON CONVERSION

Inventor: BOBROVA I I; ITENBERG I SH; (+7)

Applicant: BORESKOVA INST KATALIZA SIBIR

EC:

IPC: B01J21/16 ; B01J23/755 ; (+2)

Publication info: **RU2194572** - 2002-12-20

2 COMPOUND FOR METAL MODIFICATION AND METAL SURFACE RESTORATION

Inventor: PUSTOVOY IGOR FILIPPOVICH (RU);
CHERVONENKO YURI ALEXANDROVICH (RU); (+1)

Applicant: RVS TEC OY (FI); PUSTOVOY IGOR
FILIPPOVICH (RU); (+2)

EC: C23C30/00; C23C10/18; (+3)

IPC: C23C24/00

Publication info: **WO0218673** - 2002-03-07

3 Poly:amide based thermoplastic moulding composition

Inventor: WOLF PETER DR (DE); HEITZ THOMAS DR (DE); (+6)

Applicant: BASF AG (DE)

EC: C08K7/02; C08K3/32; (+2)

IPC: C08L77/00 ; C08K3/02 ; (+6)

Publication info: **DE19714900** - 1998-10-15

4 Thermoplastic polyamide moulding composition used for e.g. fibres and films

Inventor: WOLF PETER DR (DE); HEITZ THOMAS DR (DE); (+6)

Applicant: BASF AG (DE)

EC: C08K3/32; C08K3/36

IPC: C08L77/02 ; C08K3/02 ; (+1)

Publication info: **DE19705998** - 1998-08-20

5 TETRA-ALIPHATIC HYDROCARBYL-PHOSPHONIUM ALUMINOSILICATES

Inventor:

Applicant: EXXON RESEARCH ENGINEERING CO

EC: B01J20/18D; C01B33/22; (+3)

IPC: C01B33/26

Publication info: **GB1472200** - 1977-05-04

6 Moulding compositions based on polymers reinforced with inorganic fillers, processes for preparing these compositions, means intended for making use of these processes and shaped objects originating from these compositions

Inventor: SEGAUD CHRISTIAN

Applicant: RHONE POULENC SPEC CHIM (FR)

EC: C08K3/34

IPC: C08K3/34 ; C08K5/54 ; (+6)

Publication info: **FR2546895** - 1984-12-07

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8.30.2004

10/715,492

1/20



RUSSIAN AGENCY
FOR PATENTS AND TRADEMARKS

(19) RU⁽¹¹⁾ 2 194 572⁽¹³⁾ C2

(51) Int. Cl.⁷ B 01 J 21/16, 23/755, 23/78,
C 01 B 3/38

(12) ABSTRACT OF INVENTION

(21), (22) Application: 2001107985/04, 26.03.2001

(24) Effective date for property rights: 26.03.2001

(46) Date of publication: 20.12.2002

(98) Mail address:
630090, g. Novosibirsk, pr. Akademika
Lavrent'eva, 5, Institut kataliza im. G.K.
Boreskova, patentnyj otdel, T.D. Judinoy

(71) Applicant:
Institut kataliza im. G.K. Boreskova SO RAN

(72) Inventor: Jur'eva T.M.,
Itenberg I.Sh., Kustova G.N., Demeshkina
M.P., Bobrova I.I., Zolotarskij I.A., Minjukova
T.P., Parmon V.N., Khasin A.A.

(73) Proprietor:
Institut kataliza im. G.K. Boreskova SO RAN

(54) CATALYST AND A METHOD FOR PRODUCTION OF SYNTHESIS GAS VIA HYDROCARBON CONVERSION

(57) Abstract.

FIELD: gas fuel production and catalysts.
SUBSTANCE: catalyst represents a lamellar hydrosilicate phase with stivensite-type structure of general formula $(\text{Ni}_x\text{Me}_{1-x})_3\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$, wherein Me denotes one or several alkali-earth metals, x varies between 0.01 and 1, and n is less than 50, or metasilicate phase with enstatite-type structure of general formula $(\text{Ni}_x\text{Me}_{1-x})_3\text{SiO}_3$, wherein Me, x, and n are as above, or hydroaluminosilicate phase with amesite-type structure of general formula $(\text{Ni}_{1-x-y}\text{Me}_x\text{Al}_y)_3(\text{Al}_3\text{Si}_{2-3y}\text{O}_5)(\text{OH})_4 \cdot n\text{H}_2\text{O}$, wherein Me denotes one or several alkali-earth metals, x is below 0.8, y varies between 0.02 and 0.64, and n is less

than 50, or hydroaluminosilicate phase with chlorite-type structure of general formula $(\text{Ni}_{1-x-y}\text{Me}_x\text{Al}_y)_3(\text{Al}_3\text{Si}_{2-3y}\text{O}_5)(\text{OH})_4 \cdot n\text{H}_2\text{O}$, wherein Me denotes one or several alkali-earth metals, x is below 0.8, y varies between 0.02 and 0.62, and n is less than 50, nickel-to-silicon atomic ratio ranging from 0.01 to 75. Production of synthesis gas from hydrocarbons is effected by bringing hydrocarbons into gas-phase interaction with an optionally nitrogen-diluted mixture of water and/or oxygen, and carbon dioxide in presence of above-indicated catalysts. Absence of silica phase in catalyst composition ensures process stability. EFFECT: increased activity and selectivity of catalyst: 6 cl, 1 tbl, 7 ex.

RU 2 194 572 C2

RU 2 194 572 C2

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(12) МЕЖДУНАРОДНАЯ ЗАЯВКА, ОПУБЛИКОВАННАЯ В СООТВЕТСТВИИ С
ДОГОВОРом О ПАТЕНТНОЙ КООПЕРАЦИИ (РСТ)

(19) ВСЕМИРНАЯ ОРГАНИЗАЦИЯ
ИНТЕЛЛЕКТУАЛЬНОЙ СОБСТВЕННОСТИ
Международное бюро



(43) Дата международной публикации:
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РСТ

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WO 02/077125 A3

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B01 J 21/16, 23/755, 23/78, C01 B 3/38

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26 марта 2002 (26.03.2002)

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(30) Данные о приоритете:
2001107985 26 марта 2001 (26.03.2001) RU

(71) Заявитель (для всех указанных государств, кроме
(US): ИНСТИТУТ КАТАЛИЗА ИМЕНИ Г.К.БОРЕС-
КОВА СИБИРСКОГО ОТДЕЛЕНИЯ РОССИЙСКОЙ АКАДЕМИИ НАУК [RU/RU]; 630090
Новосибирск, пр. Академика Лаврентьева, д. 5 (RU)
[INSTITUT KATALIZA IMENI G.K.BORESKO-
VA SIBIRSKOGO OTDELENIYA ROSSIJSKOI
AKADEMIИ NAUK, Novosibirsk (RU)].

(72) Изобретатели; и

(75) Изобретатели/Заявители (только для (US): ЮРЬ-
ЕВА Тамара Михайловна [RU/RU]; 113035
Москва, ул. Космодамианская, д. 4/226, кв. 133
(RU) [YURYEVA, Tamara Mikhailovna, Moscow
(RU)]. ИТЕНБЕРГ Изабелла Шендеровна [RU/
RU]; 630090 Новосибирск, ул. Академическая, д.
25, кв. 40 (RU) [ITENBERG, Isabella Shenderovna,
Novosibirsk (RU)]. КУСТОВА Галина Нико-
лаевна [RU/RU]; 630090 Новосибирск, ул. Детский
проспект, д. 3, кв. 21 (RU) [KUSTOVA, Galina Niko-
laevna, Novosibirsk (RU)]. ДЕМЕШКИНА Марга-
рита Петровна [RU/RU]; 630090 Новосибирск, ул.

Цветной проезд, д. 9, кв. 32 (RU) [DEMESH-
KINA, Margarita Petrovna, Novosibirsk (RU)].
БОБРОВА Ирина Ивановна [RU/RU]; 630090
Новосибирск, ул. Терешковой, д. 10, кв. 4 (RU)
[BOBROVA, Irina Ivanovna, Novosibirsk (RU)].
ЗОЛОТАРСКИЙ Илья Александрович [RU/
RU]; 630128 Новосибирск, ул. Демакова, д. 17, кв.
45 (RU) [ZOLOTARSKII, Ilya Alexandrovich,
Novosibirsk (RU)]. МИНЮКОВА Татьяна Пет-
ровна [RU/RU]; 630090 Новосибирск, ул. Морс-
кой проспект, д. 60, кв. 3 (RU) [MINYUKOVA,
Tatyana Petrovna, Novosibirsk (RU)]. ПАРМОН
Валентин Николаевич [RU/RU]; 630090 Ново-
сибирск, ул. Воеводского, д. 1, кв. 1 (RU) [PAR-
MON, Valentin Nikolaevich, Novosibirsk (RU)].
ХАСИН Александр Александрович [RU/RU];
113035 Москва, ул. Космодимьянская, д. 4/226,
кв. 133 (RU) [KHASIN, Alexandr Alexandrovich,
Moscow (RU)].

(74) Общий представитель: ИНСТИТУТ КАТАЛИЗА
ИМЕНИ Г.К.БОРЕСКОВА СИБИРСКОГО
ОТДЕЛЕНИЯ РОССИЙСКОЙ АКАДЕМИИ
НАУК; 630090 Новосибирск, пр. Академика Лав-
рентьева, д. 5 (RU) [INSTITUT KATALIZA
IMENI G.K.BORESKOVA SIBIRSKOGO OT-
DELENIYA ROSSIJSKOI AKADEMIИ NAUK,
Novosibirsk (RU)].

(81) Указанные государства (национально): AE, AT,
AU, BG, BR, BY, CA, CN, CO, CZ, DE, DK, EE,
ES, FI, GB, GE, HU, ID, IL, IN, JP, KG, KP, KR,
KZ, MK, MN, NO, NZ, PL, PT, RO, SD, SE, TJ,
TM, TR, UA, US, UZ, VN, YU.

[Продолжение на след. странице]

(54) Title: CATALYST AND METHOD FOR PRODUCING SYNTHESIS GAS BY HYDROCARBON CONVERSION

(54) Название изобретения: КАТАЛИЗАТОР И СПОСОБ ПОЛУЧЕНИЯ СИНТЕЗ-ГАЗА КОНВЕРСИЕЙ УГЛЕВО-
ДОРОДОВ

(57) Abstract: The invention relates to catalysts and methods for producing synthesis gas from organic feedstock and can be used for chemically processing a natural feed stock or synthetic organic products, for example lower hydrocarbons. Said invention makes it possible to develop an efficient catalyst and a method for catalytic conversion of said hydrocarbons. The inventive method for producing synthesis gas consists in interreacting gas-phase hydrocarbons with a mixture containing water and/or oxygen and carbon dioxide. The mixture can be diluted with nitrogen. Said method is carried out using catalysts comprising a phase which contains, at the same time, cations of silicon and nickel, at the nickel atomic ratio in relation to silicon ranging from 0.01 to 75. The process for producing the synthesis gas from hydrocarbons can be also performed using the catalysts comprising a phase which, apart from the cations Ni²⁺ and Si⁴⁺, contains the cations Al³⁺, at the nickel atomic ratio in relation to the sum of Al and Si ranging from 0.01 to 1.5, and at the aluminium atomic ratio in relation to Si ranging from 0.1 to 50. In addition, said phases can contain cations of alkali-earth metals and cations of alkali metals.

[Продолжение на след. странице]

WO 02/077125 A3

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2 results found in the Worldwide database for:

CHAMOSITE in the title or abstract

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1 Process of removing salts from industrial water

Inventor:

Applicant: IG FARBENINDUSTRIE AG

EC: B01J39/02

IPC:

Publication info: **GB492362** - 1938-09-19

2 A method of manufacturing porous ceramic products

Inventor:

Applicant: SVEN FERNHOF

EC: C04B38/06F2D8

IPC:

Publication info: **GB905511** - 1962-09-12

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0 results found in the Worldwide database for:

orthoamosite in the title or abstract

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RESULT LIST

0 results found in the Worldwide database for:

gonyerite in the title or abstract

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RESULT LIST

0 results found in the Worldwide database for:

nimite in the title or abstract

(Results are sorted by date of upload in database)

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RESULT LIST

0 results found in the Worldwide database for:

sudoite in the title or abstract

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4 results found in the Worldwide database for:

clinochlore in the title or abstract

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- 1 METHOD OF FORMING ANTIFRICTION COVER FOR CONTACT FRICTION SURFACES**
Inventor: TARASIK A V; ZAZIMKO O V; (+1) Applicant: N PROMY PRED RITMAR AOOT
EC: IPC: C23C24/02 ; C23C26/00
Publication info: **RU2204623** - 2003-05-20
- 2 TRIBOTECHNICAL COMPOSITION**
Inventor: KAZAREZOV V V; KONOV M A; (+1) Applicant: KAZAREZOV VITALIJ VIKTOROVICH; KONOV
EC: IPC: MAGOMET ABUBEKIROVICH; (+1)
Publication info: **RU2188227** - 2002-08-27
- 3 Machinable insulating composition**
Inventor: Applicant: MYCALEX CORP OF AMERICA
EC: C04B35/462; H01G4/12F IPC:
Publication info: **GB624021** - 1949-05-26
- 4 Multi-purpose mineral powder and its process**
Inventor: KONG BYUNG-SUK (KR) Applicant: YONG MI KIM (KR)
EC: A61K33/42 IPC: A61K33/12 ; A61K33/14
Publication info: **US5935483** - 1999-08-10


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METHOD OF FORMING ANTIFRICTION COVER FOR CONTACT FRICTION SURFACES

Patent number: RU2204623
Publication date: 2003-05-20
Inventor: TARASIK A V; ZAZIMKO O V; MIKHAL CHENKOV V A
Applicant: N PROMY PRED RITMAR AOOT
Classification:
- **international:** C23C24/02; C23C26/00
- **european:**
Application number: RU20020105457 20020304
Priority number(s): RU20020105457 20020304

Also published as:

 WO03074762 (A1)

Abstract of RU2204623

FIELD: mechanical engineering. **SUBSTANCE:** method involves placing between friction surfaces mixture of mineral oil and reinforcing substance composition of mineral origin, which had been preliminarily ground to size of 0.01 micron. Basic reinforcing substance is composition comprising, wt%: baumite (mg, Mn, Fe, Zn)₃ (Si, Al)₂O₅ (OH)₄ 10-60; clinochlore (Mg₅Al) (Si, Al)₄O₁₀ (OH)₈ 10-60; sphene CaTiSiO₅ 1-15; silicon dioxide SiO₂ 5-10; water H₂O not in the excess of 5. Mineral oil is used as binder. **EFFECT:** increased strength characteristics and plastic deformation resistance of contact friction surfaces and, accordingly, reduced wear resistance and increased service life of machines and mechanisms operating at enhanced mechanical and temperature modes. 3 cl, 1 ex

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0 results found in the Worldwide database for:

baileychlore in the title or abstract

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0 results found in the Worldwide database for:

cookeite in the title or abstract

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RESULT LIST

0 results found in the Worldwide database for:

corundophilite in the title or abstract

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RESULT LIST

0 results found in the Worldwide database for:

odinite in the title or abstract

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RESULT LIST

2 results found in the Worldwide database for:

penninite in the title or abstract

(Results are sorted by date of upload in database)

1 Manufacture of films and the like

Inventor:

EC: G02B5/30P1

Publication info: **GB535336** - 1941-04-07

Applicant: DU PONT

IPC:

2 Machinable insulating composition

Inventor:

EC: C04B35/462; H01G4/12F

Publication info: **GB624021** - 1949-05-26

Applicant: MYCALEX CORP OF AMERICA

IPC:

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RESULT LIST

0 results found in the Worldwide database for:

pannantite in the title or abstract

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RESULT LIST

0 results found in the Worldwide database for:

rhipidolite in the title or abstract

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RESULT LIST

0 results found in the Worldwide database for:

prochlore in the title or abstract

(Results are sorted by date of upload in database)

Data supplied from the *esp@cenet* database - Worldwide

RESULT LIST

1 result found in the Worldwide database for:

thuringite in the title or abstract

(Results are sorted by date of upload in database)

1 A process for the production of base interchanging substances

Inventor:

Applicant: ARTHUR ROSENHEIM

EC: C01B33/46

IPC:

Publication info: **GB266313** - 1928-07-27

Data supplied from the *esp@cenet* database - Worldwide

A process for the production of base interchanging substances

Patent number: GB266313
Publication date: 1928-07-27
Inventor:
Applicant: ARTHUR ROSENHEIM
Classification:
- international:
- european: C01B33/46
Application number: GB19270002453 19270127
Priority number(s): DEX266313 19260216

Abstract of GB266313

266.313. Rosenheim, A. Feb. 16, 1926, [Convention date]. Purifying liquids.-Base-exchanging properties are given to substances such as minerals containing iron oxide, alumina, or insoluble silicates, such as thuringite, chamoisite, leucite, brown iron ore, bog ore, bauxite or pumice, by treating them under pressure with aqueous solutions of substances, which supply components necessary for base-exchange, such as silicic acid, alumina, alkalis, or substances having an alkaline reaction or capable of splitting off alkalies, such as aluminates or phosphates. Preferably the treatment is effected at a raised temperature, and may be followed by hydration, as by treating it with hot water or water vapour. The mineral may be mixed, and be maintained in contact with, a silicate solution, such as waterglass or a solution of a metasilicate enriched, if desired, with silicic acid or the silicate may be allowed to filter, under pressure, through the disintegrated mineral. Brown iron ore may be treated successively with silicic acid, alkali, and alumina, bauxite with silicic acid and alkali, and chamoisite may be treated with a waterglass solution at 200 C. under pressure. Specification 265,578 is referred to. The Specification as open to inspection under Sect. 91 (3) (a) states also that the treatment may be effected at or below the atmospheric pressure. This subject-matter does not appear in the Specification as accepted.

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